# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 07/06/2022 09:11 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 06/07/2022 10:19 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

| | | | |
|---|---|---|---|
| Bead Product: | CST Setup Beads | Part #: | 910859 |
| Lot ID: | 10398 | Expiration Date: | 01/31/2023 |
| Bead Lot Information: | Available | | |

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 123208 | -2 | 1.44 | 123077 | 1.43 |
| Blue | F | SSC | 125000 | 123712 | -2 | 2.86 | 124166 | 2.70 |
| Blue | E | FITC | 15860 | 15245 | -4 | 2.22 | 371 | 13.74 |
| Blue | D | PE | 27718 | 27091 | -3 | 1.67 | 630 | 10.13 |
| Blue | B | PerCP-Cy5-5 | 38046 | 36802 | -4 | 2.90 | 1009 | 14.97 |
| Blue | A | PE-Cy7 | 26092 | 25467 | -3 | 4.81 | 501 | 30.59 |
| Red | C | APC | 49104 | 48316 | -2 | 2.78 | 1701 | 11.52 |
| Red | A | APC-Cy7 | 28201 | 27219 | -4 | 3.22 | 720 | 12.48 |
| Violet | B | V450 | 9904 | 9467 | -5 | 3.56 | 527 | 11.70 |
| Violet | A | V500 | 39004 | 37278 | -5 | 3.17 | 973 | 8.91 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 23600 | 1.93 | 568 | -1 | N/A | N/A | Pass |
| Blue | F | SSC | 55332 | 1.49 | 518 | -10 | N/A | N/A | Pass |
| Blue | E | FITC | 57 | 55.60 | 490 | -1 | 0.0468 | 104 | Pass |
| Blue | D | PE | 123 | 36.20 | 496 | 0 | 0.4032 | 240 | Pass |
| Blue | B | PerCP-Cy5-5 | 137 | 44.79 | 588 | -1 | 0.0193 | 60 | Pass |
| Blue | A | PE-Cy7 | 63 | 94.35 | 631 | -1 | 0.0216 | 3 | Pass |
| Red | C | APC | 328 | 26.26 | 579 | -2 | 0.0270 | 114 | Pass |
| Red | A | APC-Cy7 | 97 | 42.62 | 551 | -4 | 0.0060 | 1093 | Pass |
| Violet | B | V450 | 86 | 50.06 | 457 | -1 | 0.0577 | 2369 | Pass |
| Violet | A | V500 | 121 | 37.06 | 468 | -1 | 0.0267 | 2211 | Pass |

## Specifications

| | |
|---|---|
| PMTV Delta from baseline: | 50 (BD) |
| Violet Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Blue Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Red Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |

# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 07/06/2022 09:11 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 06/07/2022 10:19 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Guidelines (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.64 - 71.46 | N/A | N/A | -31.84 | -31.70 | 1.13 |
| Blue | 20.35 | 16.28 - 24.42 | 1.29 | 1.03 - 1.55 | 0.00 | 0.00 | 1.44 |
| Red | 14.81 | 13.90 - 20.86 | N/A | N/A | 30.09 | 30.36 | 1.21 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

## Threshold

Threshold (FSC): 9655

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments